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DENOTES RECEIPT ON THE DATE STAMPED OF:

Applicant: Deonarine, Victor I.

For: ***Method and Apparatus to Extend and Retract
a Temperature Indicator Stick***

Serial No: 09/682,780

Group Art Unit: 2859

Examiner:

Atty Docket No: ITW7510.005

Information Disclosure Statement:

Enclosures: IDS Cover, PTO 1449, two references,
and return postcard.

DATE MAILED: 3/14/02

COOK & FRANKE S.C.
660 EAST MASON STREET
MILWAUKEE, WI 53202-3877

Copy of Paper #2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Deonarine, Victor I.
Serial No. : 09/682,780
Filing Date : October 18, 2001
Title : ***Method and Apparatus to Extend and
Retract a Temperature Indicator Stick***
Group Art No. : 2859
Examining Attorney :
Attorney Docket No. : ITW7510.005

CERTIFICATION UNDER 37 CFR 1.8(a) and 1.10

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addressed to Examiner at the Patent and Trademark Office.

Date: March 14, 2002


Signature

Commissioner of Patents
and Trademarks
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97/99**

Dear Sir:

In compliance with Applicants' duty of disclosure as set forth in 37 C.F.R. §1.56, listed on the attached equivalent to Form PTO-1449 are those patents, publications and other information known to the Applicant(s) which may be considered material to the patentability of the claims of the above-captioned application. One copy of each reference is attached.

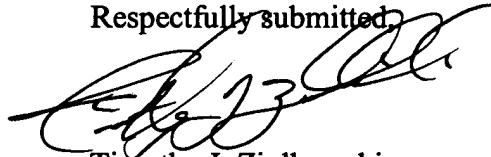
Deonarine, Victor

Serial No. 09/682,780

The Applicants respectfully request that the documents listed on the attached equivalent to Form PTO-1449 be considered by the Examiner, that the references be made of record in the present application, and that an initialed copy of the duplicate equivalent to Form PTO-1449 be returned to the undersigned in accordance with MPEP 609.

Applicant would like to make the Examiner aware that U.S. Serial Nos. 09/682,843 and 09/683,353 might be considered relevant to the examination of this application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Timothy J. Ziolkowski', written over a horizontal line.

Timothy J. Ziolkowski
Registration No. 38,368

Date: March 14, 2002

P.O. ADDRESS:

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already considered

[illegible]

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

2

Complete if Known

Application Number

09/682,780

Filing Date

10/18/2001

First Named Inventor

Deonarine

Group Art Unit

2859

Examiner Name

Attorney Docket Number

ITW7510.005

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

[illegible]

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**Examiner
Signature**

Date
Considered

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

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THE STAMP OF THE U.S. PATENT OFFICE HEREON
DENOTES RECEIPT ON THE DATE STAMPED OF:

Applicant: Desai, Victor I.
For: ***Dual Temperature Indicator Stick Holder***
Serial No: 09/682,843
Group Art Unit: 1742
Examiner:
Atty Docket No: ITW7510.006

Information Disclosure Statement:

Enclosures: IDS Cover, PTO 1449, two references,
and return postcard.

DATE MAILED: 3 114 102

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MILWAUKEE, WI 53202-3877

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Desai, Victor I.
Serial No. : 09/682,843
Filing Date : October 23, 2001
Title : ***Dual Temperature Indicator Stick Holder***
Group Art No. : 1742
Examining Attorney :
Attorney Docket No. : ITW7510.006

CERTIFICATION UNDER 37 CFR 1.8(a) and 1.10

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Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT
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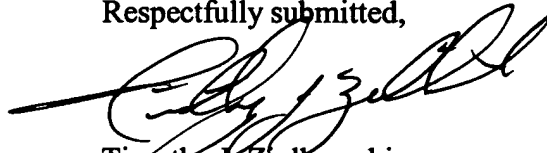
Desai, Pramathesh et al.

Serial No. 09/682,843

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Respectfully submitted,

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Timothy J. Zielkowski
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Substitute for form 1449B/PTO

(use as many sheets as necessary)

Application Number	09/682,843
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Filing Date	10/23/2001
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First Named Inventor	Desai et al.
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Group Art Unit	1742
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Examiner Name

Attorney Docket Number	FTW7510.006
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Sheet	2	of	2
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Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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Tempil: Temperature Indicators and Industrial Coatings Brochure, *Tempilstik*, pgs. 1-5

 τ^2

**Examiner
Signature**

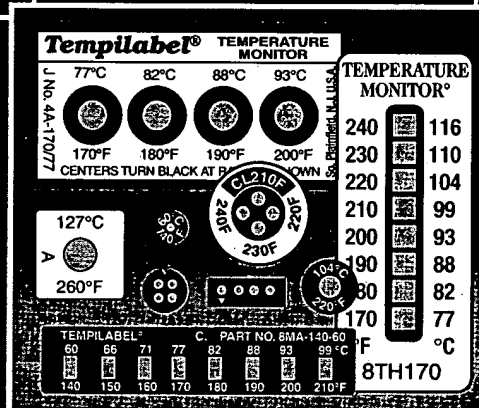
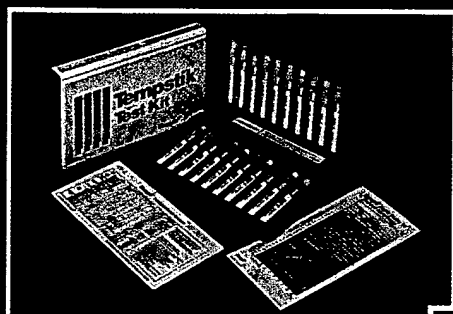
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Tempil[®]

An Illinois Tool Works Company

TEMPERATURE INDICATORS & INDUSTRIAL COATINGS



Visit our website: www.tempil.com



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... a long, distinguished history of innovation:

Since 1938, Tempil° has been providing high quality temperature indicating products for the welding, metal fabrication and heat treatment industries. It all began with a vision from our founder, Mr. Harry Blumberg, a Metallurgist, who was fabricating submarine hulls for the United States Navy. He began experimenting with organic compounds of known melting points that could be used as temperature indicators. This technique had been used for testing the accuracy of thermometers and thermocouples, but never before within the welding industry.

Mr. Blumberg's innovation began by sprinkling a few granules of a known standard on a section of metal to be welded. These were watched while the sections were preheated and welding commenced. When the granules melted, the desired temperature was achieved, producing an X-ray quality weld.

The first product developed was a temperature indicating pellet, Temp° pills, and hence the name Tempil°. Soon after, welders began to use the pellet to make marks on the metal rather than watching the whole pellet melt. He responded with yet another innovation, the Tempilstik°, an improvement from the pellet which is now produced at chalk length, with an adjustable holder.

Moving forward from Tempilstik°, we progressed into other temperature monitoring products, such as quick-drying fluids and self-adhesive labels. The labels opened up new industrial avenues, including electronics, aircraft and space research programs. We developed a high-temperature resistant paint, Pyromark°, in conjunction with NASA for the Lunar Module Moon Landing and present day space shuttles. With the knowledge and expertise in temperature related color-changing technology, we diversified into Sterilization Inks for the medical industry and Security Inks.

From all of us at Tempil°, we look forward to working with you to meet your individual application needs. Please feel free to contact us with any questions or comments.

Best regards,

Raymond C. Wiese
Vice President & General Manager

Tempilstik[®] Temperature Indicators

World's most trusted, accurate temperature indicator for over 60 years is still the greatest value!



FAHRENHEIT

• SURFACE TEMPERATURE DETECTION

- Inexpensive alternative for temperature measurement
- Simple – no gauges or electronics
- Easy to use – by virtually anyone/anywhere
- Over 100 temperature ratings available (100°F to 2500°F)
- Reliably accurate – melts within $\pm 1\%$ of rated temperature
- Certification of accuracy documentation is available

• LASTS LONGER THAN OTHER BRANDS

because of greater density.

- **HOLDER** provides strong grip on the chalk avoiding slippage. Maximizes user efficiency in completing the application. Holder engineered for smooth operation. Provides comfort and confidence.

- **PRODUCTION LOT NUMBERED** for traceability.

- Most can be certified lead and sulfur-free.

APPLICATIONS – Hundreds of applications exist for the Tempilstik[®]

Determining surface temperatures during

- welding and metal fabrication
- preheat • interpass
- postweld heat treatment
- annealing • stress relieving

Determining operating temperatures

- bearings • transformers • steam traps • molds
- PC board preheaters • motors
- electronic components • hydraulic systems
- commercial irons • hot plates • heat exchangers

How to Use

Mark the workpiece before heating or stroke the workpiece during heating. When the rated temperature has been reached a distinct melt (smear) will become evident. This method may also be used for smooth surfaces or consider using Tempilaq G.

Standard Packaging: 10 per box (bar-coded per NWSA guidelines). Blister package available for point-of-purchase display. (See Page 14).

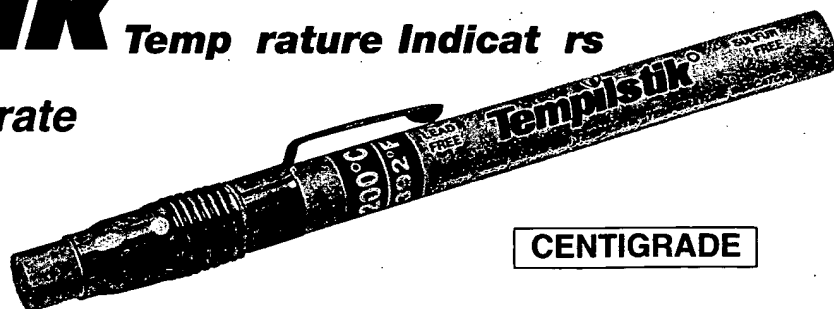
Fahrenheit Ratings for Tempilstik[®]

Part No.	°F	°C	Part No.	°F	°C	Part No.	°F	°C	Part No.	°F	°C	Part No.	°F	°C
TS0100	100	38	TS0219	219	104	TS0350	350	177	TS0850	850	454	TS1650	1650	899
TS0103	103	39	TS0225	225	107	TS0363	363	184	TS0900	900	482	TS1700	1700	927
TS0106	106	41	TS0231	231	111	TS0375	375	191	TS0932	932	500	TS1750	1750	954
TS0109	109	43	TS0238	238	114	TS0388	388	198	TS0950	950	510	TS1800	1800	982
TS0113	113	45	TS0244	244	118	TS0400	400	204	TS0977	977	525	TS1850	1850	1010
TS0119	119	48	TS0250	250	121	TS0413	413	212	TS1000	1000	538	TS1900	1900	1038
TS0125	125	52	TS0256	256	124	TS0425	425	218	TS1022	1022	550	TS1950	1950	1066
TS0131	131	55	TS0263	263	128	TS0438	438	226	TS1050	1050	566	TS2000	2000	1093
TS0138	138	59	TS0269	269	132	TS0450	450	232	TS1100	1100	593	TS2050	2050	1121
TS0144	144	62	TS0275	275	135	TS0463	463	239	TS1150	1150	621	TS2100	2100	1149
TS0150	150	66	TS0282	282	139	TS0475	475	246	TS1200	1200	649	TS2150	2150	1177
TS0156	156	69	TS0288	288	142	TS0488	488	253	TS1250	1250	677	TS2200	2200	1204
TS0163	163	73	TS0294	294	146	TS0500	500	260	TS1300	1300	704	TS2250	2250	1232
TS0169	169	76	TS0300	300	149	TS0525	525	274	TS1350	1350	732	TS2300	2300	1260
TS0175	175	79	TS0306	306	152	TS0550	550	288	TS1400	1400	760	TS2350	2350	1288
TS0182	182	83	TS0313	313	156	TS0575	575	302	TS1425	1425	774	TS2400	2400	1316
TS0188	188	87	TS0319	319	159	TS0600	600	316	TS1450	1450	788	TS2450	2450	1343
TS0194	194	90	TS0325	325	163	TS0650	650	343	TS1480	1480	804	TS2500	2500	1371
TS0200	200	93	TS0331	331	166	TS0700	700	371	TS1500	1500	816			
TS0206	206	97	TS0338	338	170	TS0750	750	399	TS1550	1550	843			
TS0213	213	101	TS0344	344	173	TS0800	800	427	TS1600	1600	871			

Tempilstik[®]

Temperature Indicators

World's most trusted, accurate temperature indicator for over 60 years is still the greatest value!



CENTIGRADE

• SURFACE TEMPERATURE DETECTION

- Inexpensive alternative for temperature measurement
- Simple – no gauges or electronics
- Easy to use – by virtually anyone/anywhere
- 85 Centigrade temperature ratings available (40°C to 1200°C)
- Reliably accurate – melts within $\pm 1\%$ of rated temperature
- Certification of accuracy documentation is available

• LASTS LONGER THAN OTHER BRANDS

because of greater density.

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- preheat • interpass
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- PC board preheaters • motors
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- commercial irons • hot plates • heat exchangers

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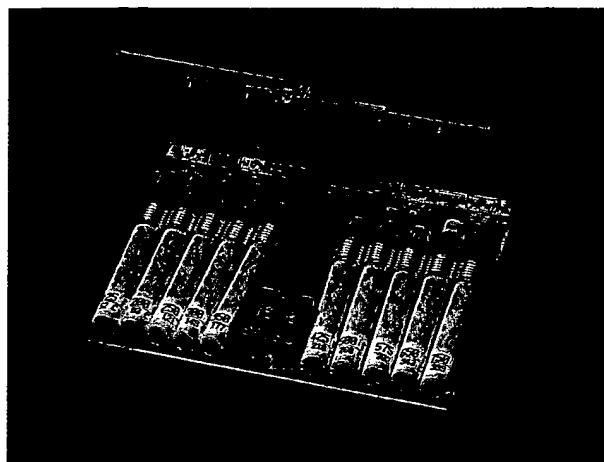
Standard Packaging: 10 per box (bar-coded per NWSA guidelines). Blister package available for point-of-purchase display. (See Page 14).

Centigrade Ratings for Tempilstik[®]

Part No.	°C	°F	Part No.	°C	°F	Part No.	°C	°F	Part No.	°C	°F	Part No.	°C	°F
TSC0040	40	104	TSC0125	125	257	TSC0210	210	410	TSC0350	350	662	TSC0740	740	1364
TSC0045	45	113	TSC0130	130	266	TSC0215	215	419	TSC0370	370	698	TSC0760	760	1400
TSC0050	50	122	TSC0135	135	275	TSC0220	220	428	TSC0380	380	716	TSC0775	775	1427
TSC0055	55	131	TSC0140	140	284	TSC0225	225	437	TSC0390	390	734	TSC0800	800	1472
TSC0060	60	140	TSC0145	145	293	TSC0230	230	446	TSC0400	400	752	TSC0825	825	1517
TSC0065	65	149	TSC0150	150	302	TSC0235	235	455	TSC0420	420	788	TSC0850	850	1562
TSC0070	70	158	TSC0155	155	311	TSC0240	240	464	TSC0460	460	860	TSC0875	875	1607
TSC0075	75	167	TSC0160	160	320	TSC0245	245	473	TSC0475	475	887	TSC0900	900	1652
TSC0080	80	176	TSC0165	165	329	TSC0250	250	482	TSC0500	500	932	TSC0910	910	1670
TSC0085	85	185	TSC0170	170	338	TSC0260	260	500	TSC0520	520	968	TSC0950	950	1742
TSC0090	90	194	TSC0175	175	347	TSC0270	270	518	TSC0530	530	986	TSC1010	1010	1850
TSC0095	95	203	TSC0180	180	356	TSC0280	280	536	TSC0560	560	1040	TSC1075	1075	1967
TSC0100	100	212	TSC0185	185	365	TSC0290	290	554	TSC0600	600	1112	TSC1100	1100	2012
TSC0105	105	221	TSC0190	190	374	TSC0300	300	572	TSC0625	625	1157	TSC1125	1125	2057
TSC0110	110	230	TSC0195	195	383	TSC0310	310	590	TSC0650	650	1202	TSC1150	1150	2102
TSC0115	115	239	TSC0200	200	392	TSC0320	320	608	TSC0680	680	1256	TSC1175	1175	2147
TSC0120	120	248	TSC0205	205	401	TSC0340	340	644	TSC0700	700	1292	TSC1200	1200	2192

Tempilstik[®] Custom Kit

Customized Temperature Indicating Kit



APPLICATIONS

- Welding • Experimentation
- Research • Heat treating

Standard Packaging:

Kit with 10 Tempil[®] mini-stiks and sharpener

Designed for researchers, experimenters and technicians who frequently work with heat related operations. Welders, welding different types of heat treated alloy steels of various thickness who need to know precise preheat and inter pass temperatures will find Tempilstik[®] Custom Kit to be an invaluable tool.

There are four ways to order the Tempilstik[®] Custom Kit:

- Full Range(°F) 125°, 200°, 250°, 300°, 350°, 425°, 500°, 575°, 650°, 750°
- Low Range(°F) 125°, 150°, 175°, 200°, 225°, 250°, 275°, 300°, 325°, 350°
- High Range(°F) 300°, 350°, 400°, 450°, 500°, 550°, 600°, 650°, 700°, 750°
- Select Your Own: Any combination of 10 Tempilstik[®] temperature indicators from 125° F to 750°F

Each Custom Tempilstik[®] Kit is delivered with a simple sharpener capable of applying a tapered point on the indicator, enabling access to those hard-to-reach places.

Test Kit

Temperature Indicating Kit
A professional's temperature indicating kit

APPLICATIONS

- Surface welding • Hard facing • Overlaying for corrosion resistance • Torch or flame cutting
- Flame conditioning of semi-finished steel • Heat treating • Local heating and cooling • Pipe bending
- Shearing of bar steel • Straightening hardened parts
- Shrinking one part on another • Die repair welding

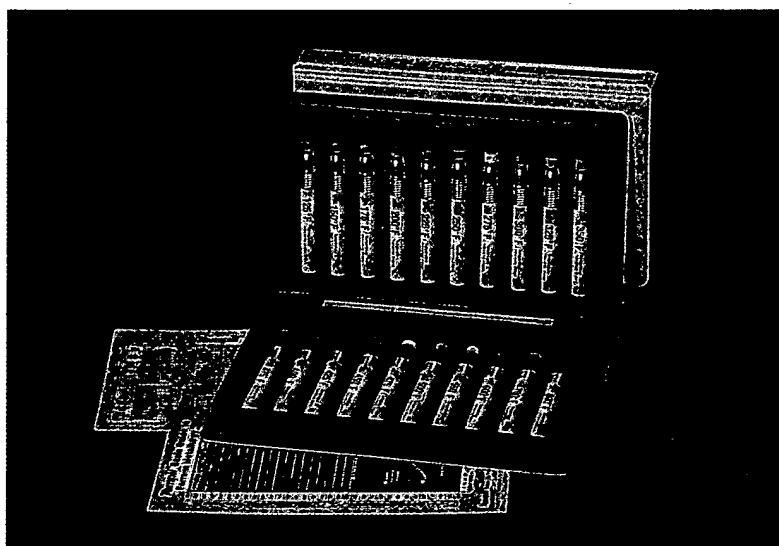
Provides all the information needed for determining the proper temperatures for welding, heat treating, soldering, brazing, and other operations involved in the fabrication of most metals. In addition, the kit provides information for measuring preheat, interpass and postweld heat treatment temperatures.

The kit contains 20 temperature indicators systematically spaced between 125°F (52°C) and 800°F (427°C).

125°F, 150°F, 175°F, 200°F, 225°F, 250°F, 275°F, 300°F, 325°F, 350°F, 375°F, 400°F, 425°F, 450°F, 475°F, 500°F, 550°F, 600°F, 700°F, 800°F

- Simple to use • Accurate • Inexpensive

Standard Packaging: Kit with 20 Tempilstik[®], Preheating Chart and Guide to Ferrous Metallurgy



Basic Guide to Ferrous Metallurgy (See photo on page 14)

A short course in ferrous metallurgy which consists of an iron-carbon equilibrium diagram superimposed over a chart depicting the color of steel at various temperatures. All major metallurgy terms are defined and illustrated in various grain structures throughout the heating range. All heat treatment procedures are also briefly described.

Preheating Chart (See photo on page 14)

Lists ferrous metals with their carbon and other alloy compositions and the recommended preheat temperatures. Included are various factors that determine if preheating is required and how welds are affected by preheat.

BEST AVAILABLE COPY